

# Material Safety Data Sheet

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Infosafe No. 2BKN5 Issue Date: August 2003

DRAFT by BOSTIK

Product Name: **BOSCOSEAL PU**

Classified as hazardous according to criteria of NOHSC

## Health Effects

<b>Acute - Skin</b>	Contact with skin may result in irritation. May cause redness, rash and itching.
<b>Acute - Inhaled</b>	Inhalation may cause irritation of the respiratory tract, coughing, nausea, tightness in chest and difficulty in breathing.
<b>Chronic</b>	Repeated or prolonged skin contact may lead to dermatitis and possible skin sensitisation due to presence of TDI. Inhalation of TDI vapours may cause central nervous system depression and, upon repeated or prolonged exposure, respiratory sensitisation and asthma like conditions. As a result individuals with respiratory disease such as bronchitis, emphysema or asthma should not be exposed to isocyanates. The petroleum hydrocarbon mixture and carbon black may contain trace amounts of materials similar to ones categorised by the International Agency for Research On Cancer (IARC) as causing skin cancer in mice after prolonged and repeated contact. Any potential hazard can be avoided by preventing skin contact.

## First Aid

<b>Swallowed</b>	If swallowed, give patient a glass of water to drink and seek immediate medical advice.
<b>Eye</b>	Flush eyes immediately with plenty of water for at least 15 minutes. Seek medical attention.
<b>Skin</b>	Remove contaminated clothing and footwear. Wipe off excess material then wash skin thoroughly with plenty of soap and water. If irritation occurs seek medical attention.
<b>Inhaled</b>	Remove patient from contaminated area. Apply artificial respiration if necessary. Seek medical attention.
<b>First Aid Facilities</b>	Eye wash & safety shower

## Advice to Doctor

<b>Advice to Doctor</b>	Treat symptomatically.
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## Other Health Hazard Information

## PRECAUTIONS FOR USE

<b>Exposure Limits</b>	No exposure standard is available for the material as such. Exposure standards for the hazardous components are as follows (NOHSC-1995): TDI & IPDI: TWA: 0.02mg/m <sup>3</sup> , STEL: 0.07mg/m <sup>3</sup> - Sensitiser TWA: 0.005ppm (ACGIH) Aromatic petroleum naptha: TWA: 100ppm (ACGIH) TWA is the time weighted average concentration of the work atmosphere over a normal 8-hour work day and a 40-hour work week. Nearly all workers may be repeatedly exposed to this level, day after day, without adverse effect. These TWAs are issued as guidelines for good practice. All atmospheric contamination should be kept to as low a level as is practically possible. These TWAs should not be used as fine lines between safe and dangerous concentrations. Sensitiser - a material which can cause sensitisation (specific immune response) in some people. Once sensitisation has occurred, an affected individual may subsequently react on exposure to very small levels of that substance, rendering the exposure standard inadequate. Reaction may be as a skin rash, inflammation or as an asthmatic condition. As a result, individuals who have a history of asthma or respiratory disorders are advised not to work with isocyanates.
<b>Eng. Controls</b>	Use only in a well ventilated area where the recommended exposure standards will not be exceeded.

## Personal Protection

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<b>Protective Equip.</b>	Avoid contact with skin and eyes and avoid breathing vapours. Respiratory protection: Suitable cartridge mask may be required if ventilation is insufficient to ensure the recommended exposure standards are not exceeded. Nitrile or neoprene rubber gloves. Safety goggles.
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## Flammability

**Fire Hazards** Combustible.

## SAFE HANDLING INFORMATION

## COMPANY DETAILS

**Company Name** BOSTIK FINDLEY AUSTRALIA PTY LTD (ABN 003 893 838)  
**Address** 51 - 71 High Street Thomastown  
VIC 3074  
**Tel/Fax** Tel: 03 9279 9333 Fax: 03 9279 9270

## IDENTIFICATION

<b>Product Name</b>	BOSCOSEAL PU	
<b>Proper Shipping Name</b>	None Allocated	
<b>Other Names</b>	<b>Name</b>	<b>Mancode</b>
	Boscoseal PU	244295
<b>UN Number</b>	None Allocated	
<b>DG Class</b>	None Allocated	
<b>Packing Group</b>	None Allocated	
<b>Hazchem Code</b>	None Allocated	
<b>Poisons Schedule</b>	Not Scheduled	
<b>Product Use</b>	A 1 part moisture curing waterproofing membrane that can be applied via brush, roller, trowel or squeegee.	

## Physical Data

<b>Appearance</b>	Black thixotropic paste with aromatic odour.
<b>Boiling Point</b>	149-260°C
<b>Vapour Pressure</b>	Not available
<b>Specific Gravity</b>	1.10-1.13 g/cm3
<b>Flash Point</b>	67°C
<b>Flamm. Limit LEL</b>	0.70%
<b>Flamm. Limit UEL</b>	6.0%
<b>Solubility in Water</b>	Insoluble

## Other Properties

## Ingredients

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Petroleum Hydrocarbon Mixture (PHM)	64742-04-7	10-30 %
	Aromatic petroleum naphtha	64742-95-6	1-30 %
	Carbon black	1333-86-4	1-10 %
	Residual toluene diisocyanate	26471-62-5	0-0.3 %
	Ingredients determined not to be hazardous		to 100%

## HEALTH HAZARD INFORMATION

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## Health Effects

**Acute - Swallowed** May be harmful if swallowed.  
May cause irritation of the mouth and digestive tract.

**Acute - Eye** May be an eye irritant.

## Storage and Transport

**Storage and Transport** Store under cool, dry conditions away from moisture, alcohols, amines, acids, alkalis and sources of ignition. Keep containers sealed when not in use.

**Proper Shipping Name** None Allocated

## Spills and Disposal

**Spills & Disposal** Ensure clean-up personnel wear appropriate protective equipment. Collect spill with inert absorbent and place in waste containers for disposal. Cover containers but do not seal. Uncured product to be disposed as per statutory regulations. Thoroughly clean area where spill occurred with water and detergent.

## Fire/Explosion Hazard

**Fire/Explos. Hazard** Hazardous decomposition products on burning: oxides of carbon, oxides of nitrogen, trace amounts of hydrogen cyanide, smoke and other toxic fumes. Fire-fighting personnel to wear self-contained breathing apparatus and protective clothing. Extinguishing media: foam, dry chemical, carbon dioxide, water. If water is used, large quantities should be used as the reaction between water and hot isocyanate may be vigorous and will produce carbon dioxide. If containers get contaminated with water, do not reseal as pressure build up may cause rupture.

**Hazardous Reaction** Avoid contact with water, alcohol, amine, acids and alkalis. Will begin to cure on exposure to air, alcohols, amines, acids and alkalis. Polymerisation will be accelerated by high temperatures in the presence of alkalis, tertiary amines and metal compounds. Possible evolution of carbon dioxide gas may rupture closed containers.

**Hazchem Code** None Allocated

## OTHER INFORMATION

**Toxicology** No toxicity data is available for the material as such.

**Environ. Protection** This material may be hazardous to the environment in the uncured form.

**Risk Statement** R45(2) May cause cancer.

**Safety Statement** S23 Do not breathe gas/fumes/vapour/spray

S53 Avoid exposure - obtain special instructions before use.

S24/25 Avoid contact with skin and eyes.

**Hazard Category** Toxic

**Manufacturers Advice** REASON FOR UPDATE: General revision

SUPERSEDES: Issue dated 8th October, 1997

**Technical Data** Refer Product Information Bulletin

**Other Information** N/A - Not Applicable

NOHSC - National Occupational Health & Safety Commission (Worksafe Aust.)

## CONTACT POINT

**Contact** & 24 hour Emergency Telephone  
Regulatory Affairs Officer  
ph (03) 9279 9320 or  
mobile 0419 335 187

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